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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
10/073,053 02/12/2002		02/12/2002	Kun-ho Cho	1293.1307	2394		
21171	7590	12/26/2003		EXAM	EXAMINER		
STAAS & HALSEY LLP				MAHONEY, CH	MAHONEY, CHRISTOPHER E		
SUITE 700 1201 NEW Y	YORK A	VENUE, N.W.		ART UNIT	PAPER NUMBER		
WASHINGT	TON, DO	20005		2851			
				DATE MAILED: 12/26/200	DATE MAILED: 12/26/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.		Applicant(c)						
			Application No.	•	Applicant(s)	Y					
Office Action Summany			10/073,053		CHO ET AL.	· 					
	Office Action Summary		Examiner		Art Unit						
			Christopher E M	•	2851						
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address P riod for Reply										
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).											
Status 1\⊠	Passassive to communication(s) f	=== A2 Ca	-4								
	Responsive to communication(s) filed on <u>03 September 2003</u> .										
·		, —-	action is non-fina								
3)[_]	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.										
Dispositi	ion of Claims										
-	Claim(s) 1-22 is/are pending in the application.										
	4a) Of the above claim(s) is/are withdrawn from consideration.										
·	Claim(s) 17 is/are allowed.										
· · · · · · · · · · · · · · · · · · ·	Claim(s) <u>1-16 and 18-22</u> is/are rejected.										
	Claim(s) is/are objected to.										
	Claim(s) are subject to restr	riction and/or	election require	ment.							
	on Papers										
,	The specification is objected to by t										
•	The drawing(s) filed on is/ard	. –		•							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).										
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.										
	inder 35 U.S.C. §§ 119 and 120	to by the Exa	ammer. Note the	attached Office	Action or form PTC	J-152.					
		f f:		F. I. O. O. O. 440/-:	\ (1\) (5\)						
 12) △ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) △ All b) ☐ Some * c) ☐ None of: 1. △ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. 											
a) \square The translation of the foreign language provisional application has been received.											
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.											
Attachment	t(s)										
	e of References Cited (PTO-892)	(DTO 2.42)			(PTO-413) Paper No(s).						
	e of Draftsperson's Patent Drawing Review (mation Disclosure Statement(s) (PTO-1449)			Notice of Informal Pa Other:	atent Application (PTO-1	152)					

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DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the oblong shape diffusion factors must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear in claim 1 how the diffusion member may diffuse light if it is opaque.

Clarification is requested. Opaque is defined as: a. Impenetrable by light; neither transparent nor

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translucent. b. Not reflecting light; having no luster. For the purposes of the prior art rejections following this section, the diffusion member will be interpreted as either a diffusion member or an opaque member.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 3-4, 13-14, and 18-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Kojima (U.S. Patent No. 5,903,392). Kojima teaches a front projection type screen comprising a transparent base 11, a diffusion member 12 formed on one surface of the transparent base and a retroreflection prism array 13 formed on another surface of the transparent base. A light absorbing member 20 is adjacent the prism array. The diffusion layer is opaque to light from 530-570 nm. Col. 2, line 56 teaches that 14 may be an air layer.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 5-12, 15, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kojima (U.S. Patent No. 5,903,392) in view of Zeira (U.S. Patent No. 5,932,342). Kojima teaches the salient features of the claimed invention except for diffusion along one axis being greater than diffusion along a second axis. Zeira teaches that it was known to provide diffusion along one axis being greater than diffusion along a second axis in a front projection screen. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the features as taught by Zeira for the purpose of controlling the viewing angle and increase gain. The applicant is directed to review col. 1, lines 35-54 for example.

Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kojima (U.S. Patent No. 5,903,392) in view of Magocs (U.S. Patent No. 5,473,469). Kojima teaches the salient features of the claimed invention except for oblong shape diffusion factors. Magocs teaches that it was known to use oblong shape diffusion factors 17 in the diffusion portion of a front projection screen. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the features as taught by Magocs for the purpose of controlling the viewing angle.

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Allowable Subject Matter

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Claim 2 would be allowable if rewritten to overcome the rejection(s) under 35

U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations

of the base claim and any intervening claims.

Claim 17 is allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Christopher E Mahoney whose telephone number is (703) 305-

3475 [until January 29, 2004] or (571) 272-2122 [after January 29, 2004]. The examiner can

normally be reached on 8:30AM-5PM, Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Russ Adams can be reached on (703) 308-2847. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9318.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

Christopher E Mahoney

Primary Examiner